NEW HORIZON COLLEGE OF ENGINEERING

EXPERT TALK
ON
"BUILDING PRODUCTION - READY APPLICATIONS WITH FLASK"

Organised by the Department of MCA

Date: 24th January 2026
Venue: B 308

Brief Description of the Event

The Department of MCA successfully organised the Expert Talk on "Building Production–Ready Applications with Flask" aimed to provide students with practical insights into developing scalable and deployable web applications using the Flask framework. The session focused on the transition from basic Flask applications to production-level systems by emphasising best practices in application structure, security, and deployment. The resource person explained key concepts such as environment configuration, database integration, and API development with real-world examples. Students also gained an understanding of testing, debugging, and optimising Flask applications for performance and reliability. The talk was highly informative and helped participants appreciate how Flask can be effectively used to build industry-ready web solutions.

Introduction of the Resource Person

Mr. Karan S Jadhav has demonstrated outstanding academic and professional achievements by qualifying UGC-NET 2023, GATE 2024, and securing 13th rank in KSET 2023, reflecting strong subject mastery in computer science. With an MCA CGPA of 9.42 and consistent academic excellence, he has actively contributed to research-driven projects in Generative AI, medical image processing, and IoT systems. His involvement as a coding event coordinator, success in technical competitions, and experience in mentoring and volunteering highlight his leadership, communication skills, and commitment to academia.

Content Delivery by Resource Person

This Expert Talk on Flask focuses on introducing participants to Flask as a lightweight, flexible, and powerful Python web framework used for developing modern web applications. The session covers core concepts such as application structure, routing, request–response handling, templates, and integration with databases. Emphasis is placed on understanding how

Flask simplifies backend development while allowing developers full control over application design. Real-world examples are used to demonstrate how Flask is applied in academic projects and industry use cases.

The talk also highlights best practices in building scalable and secure applications, including project organisation, use of extensions, and basic deployment strategies. Participants gain practical insights into how Flask can be used for internships, research projects, and production-ready applications. The session aims to motivate learners to explore backend development with Python and build confidence in creating functional web applications.

Key topics covered are:

- Introduction to Flask Framework and its role in modern web application development
- Structuring Flask applications for production-ready deployment
- Database integration and handling data using Flask extensions
- Security practices and configuration management in Flask applications
- Testing, debugging, and deployment strategies for scalable Flask applications

The session explained routing in a clear, step-by-step manner, helping students understand how URLs are mapped to functions and how data flows between the client and server. Production concepts were introduced by demonstrating environment setup, configuration handling, and deployment readiness. Students were also guided through writing and executing complex SQL queries, focusing on joins, subqueries, and optimisation. Practical examples helped students connect routing logic with database interactions, improving overall backend development understanding.

Interactive Sessions with Students

The session concluded with an engaging Q&A session, providing students the opportunity to ask questions, clarify their doubts, and share their insights. Karan S Jadhav encouraged active participation, enabling the students to gain a deeper and more comprehensive understanding of the subject matter.

Activities Conducted

During the Q&A session, Karan S Jadhav posed thought-provoking questions to the audience, encouraged them to share their perspectives, and provided insightful answers to their queries.
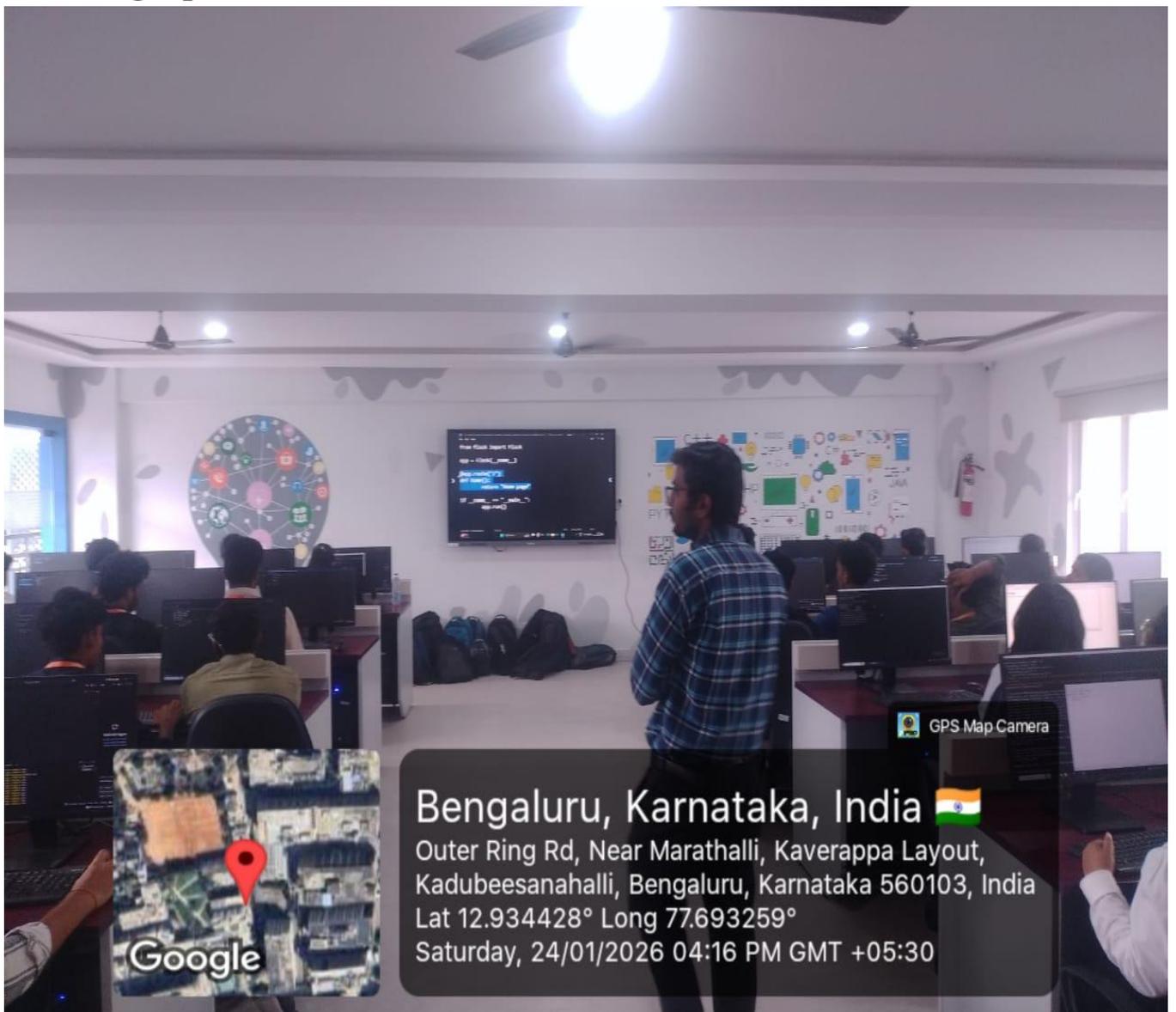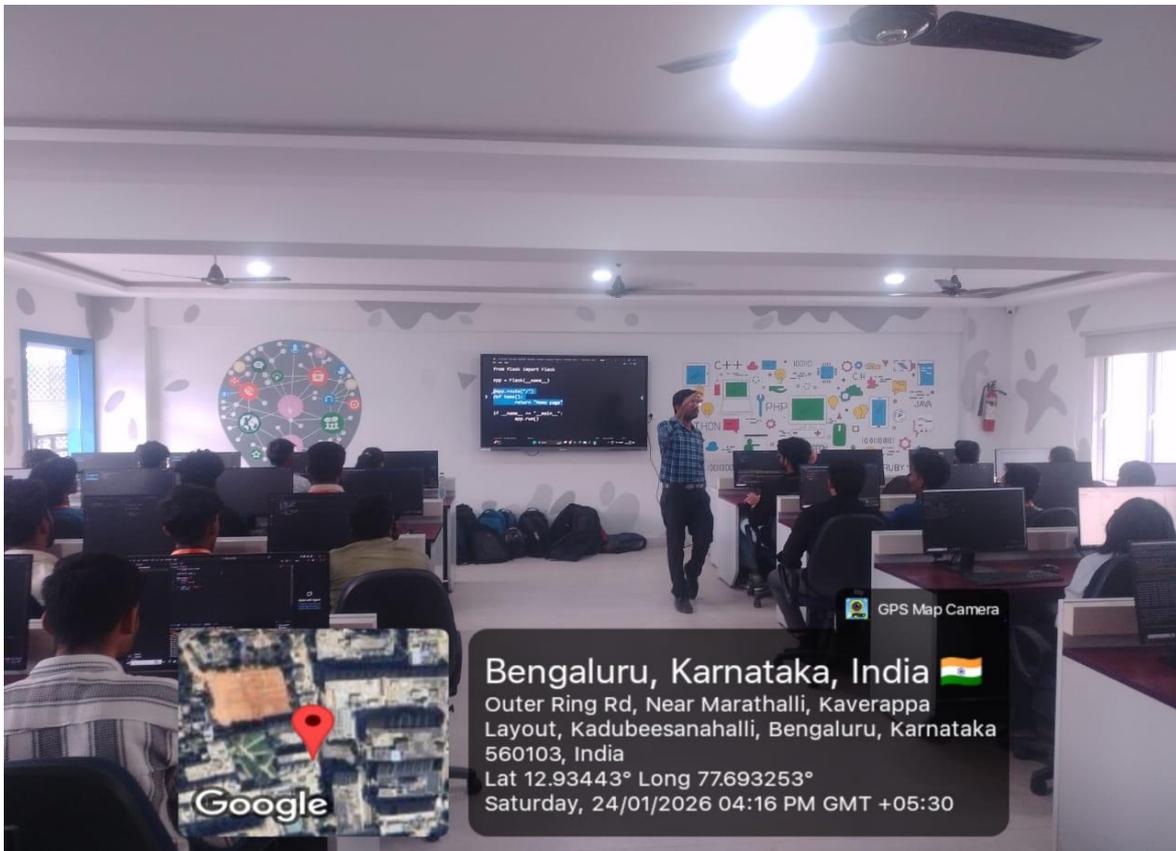
No of Participants: 54

Winners: (if any, for activities conducted): NA

Guest Details: (Name, Designation, Organisation, Location) :

Mr. Karan S Jadav
Sr Software Developer
Riversilica Technologies Pvt Ltd, Bangalore.

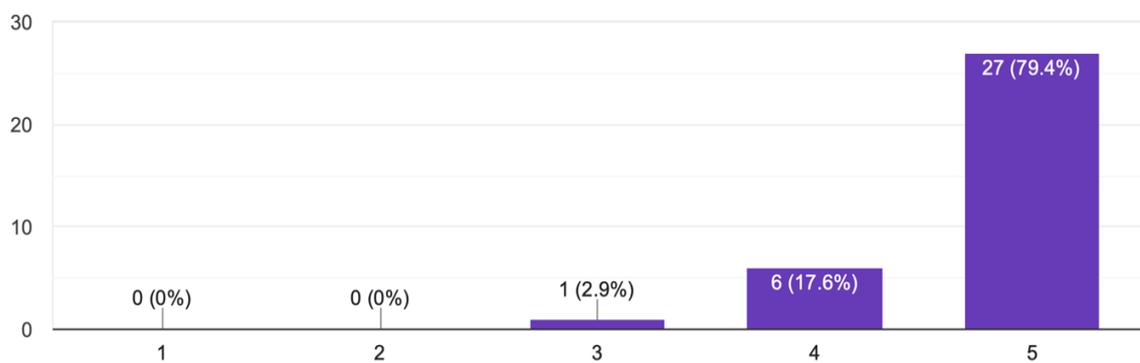**Photographs of the Event**

Poster

Feedback

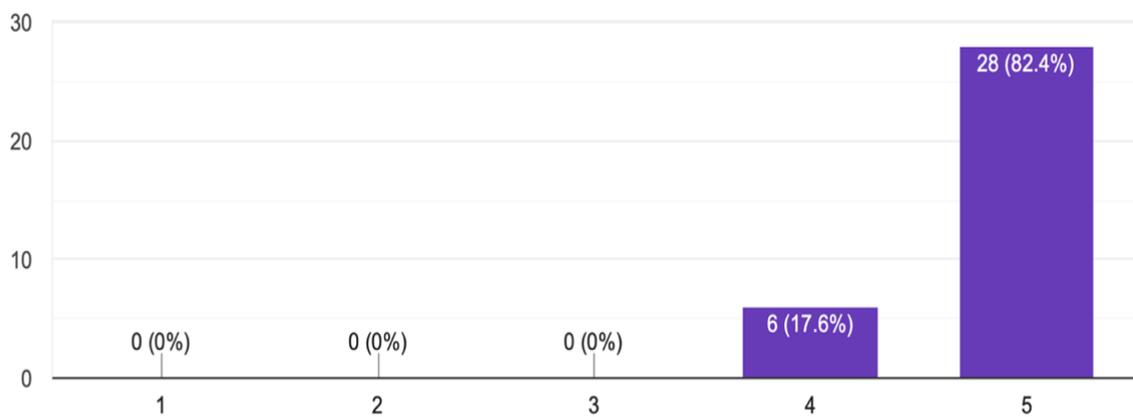## Quality of the training content
34 responses
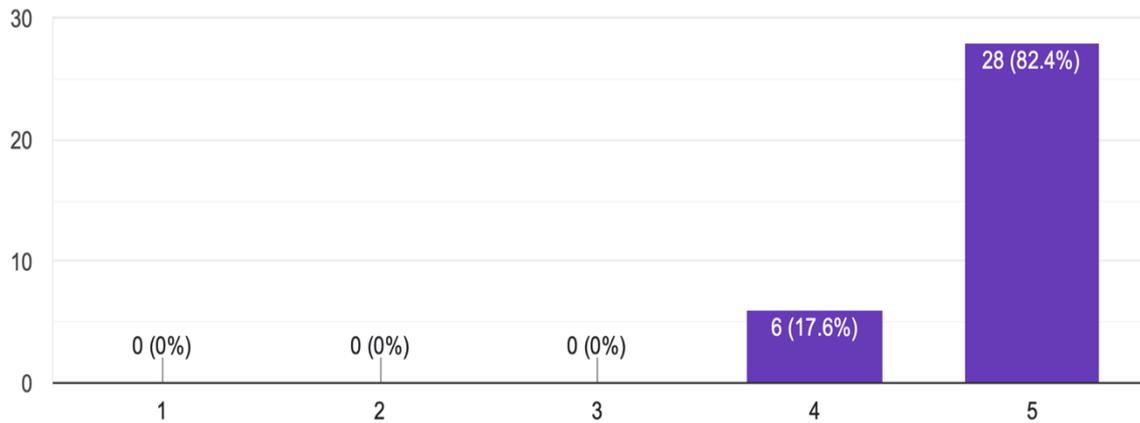
Clarity of the presentation.
34 responses

Effectiveness of the examples depicted during the session.
34 responses

Rate the relevance of the topic to future study and work.

34 responses

Rating	Count
1	0 (0%)
2	0 (0%)
3	0 (0%)
4	7 (20.6%)
5	27 (79.4%)

Commentss if any

13 responses

Categories: . / Good / I want this type… / It was a producti… / It was useful an… / It's good inform… / Learned new thi… / No / None / Try to explain wi… / Want some guid… / good en… — each 1 (7.7%), with Good at 2 (15.4%)
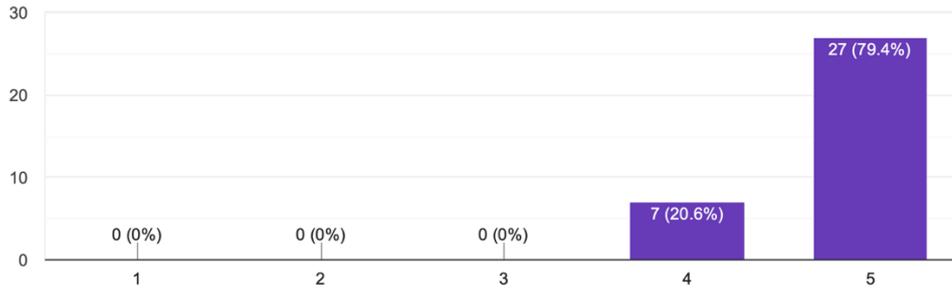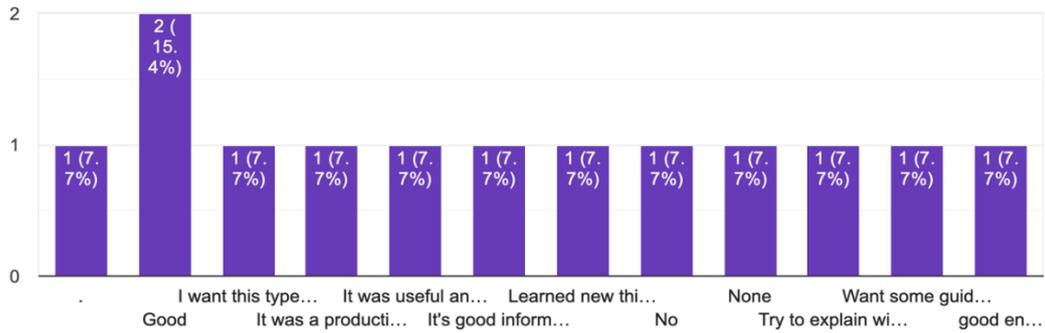
Co-ordinator
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HoD-MCA
Dr. V. Asha

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COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MCA

AY 2025-26

ATTENDANCE SHEET OF PARTICIPANTS

EXPERT TALK

Building Production – Ready Applications with FLASK

RESOURCE PERSON: Mr. Karan Sambhaji Jadhav

Sr Software Engineer

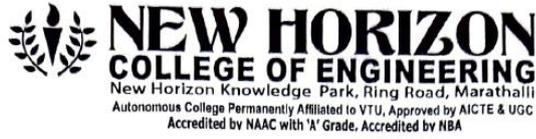**Riversilica Technologies Pvt Ltd., Bangalore**

DATE: 24-01-2026

TIME: 2:20 pm to 04:30 pm

PARTICIPANTS: STUDENTS SEM I

VENUE: B307

SERIAL NO	USN NO	NAME	SIGNATURES
1	LNH25MC002	Abhijeet Ty/i	Abhijeet
2	1NH25MC001	Aakarsh. Malpani	Aakarsh.
3	1NH25MC003	Abhijith Singh.V	AS2
4	1NH25MC005	Abhishek.B.H	Abhi
5	1NH25MC007	Aditya MR	Aditya MR
6	1NH25MC008	Aditya. R. Hadimani	AC
7	1NH25MC010	Aman B Shetty	Aman
8	1NH25MC009	Aishwarya. S	A
9	1NH25MC165	Vaibhav Kumar.M	Vaibhav kumar.M
10	1NH25MC163	shreya Uleguddi	Uleguddi
11	1NH25MC164	Vageesha Yadav	Vageesha
12	1NH25MC162	Tiyasa Mondal	Ty

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14	1NH25MC157	Tarun.M	TARUN.M
15	INH25MC156	Tanishka Granta	
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17	INH25MC004	Abhirag-Sharma	
18	1NH25MC035	Devadiga shreyash Jayanna	shreyash
19	1NH25MC149	Sudeep. S. Mingji	
20	1NH25MC147	S. Yashwanth Reddy	Yaswanth
21	1NH25MC146	Srajan	
22	INH25MC148	Subham	Subham
23	1NH25MC151	Sukumar. K	
24	1NH25MC154	SURAJ THAKUR M	
25	INH25MC153		
26	1NH25MC152	Suneel gaddi	
27	1NH25MC150	Sufiya Noorain	Sufiya Noora
28	INH25MC111	Rakshitha P·R	Rakshit PR
29	INH25MC103	Prurana Majalikar	Majalika
30	INH25MC063	M. leela sai Sahitya	Sahityam
31	1NH25MC130	Himanshu Satwani	
32	1NH25MC105	Purnanki Das	P.Das
33	1NH25MC175	Vishal Kashyap	Vishal
34	1NH25MC173	Vinit Bhati	
35	1NH25MC075	Mohit Gurnani	Mohit
36	1NH25MC060	Kunal Raj	Kunj Raj

EXPERT TALK – Building Production-Ready Applications with Flask
DATED: 24.01.2026

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37	INH25MC001	Aakarsh Malpani	Aakarsh
38	INH25MC073	Mohammed Sohaib	
39	INH25MC021	Baladi .A.V	Baladi AV
40	INH25MC170	Venkatesh. G	
41	INH25MC074	mohd Shuaib	Shuaib
42	INH25MC013A	Simphe Crowdt V	
43	INH25MC157	Tarun. M	TARUN.M
44	INH25MC152	Suneel Krishnappa gaddi	
45	INH25MC169	Veeresh Kotresh Sheeri	
46	INH25MC168	Tavisali .M.D	
47	INH25MC166	Vaishnavi Torvalmath	
48	INH25MC056	Khushi.K S	Khushi
49	INH25MC136	Shravani.A	Shravani.A
50	INH25MC147	S. Yashwanth reddy	Yashwanth
51	INH25MC027	B. Kalyan	
52	INH25MC002	Prem)	
53	INH25MC028	Chananues	
54	INH25MC114	Ravikumar k	

EVENT COORDINATOR

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